



"Perina, Tom/SBO"  
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10/08/2003 06:08 PM

To Christopher Lichens/R9/USEPA/US@EPA  
cc  
bcc  
Subject meeting notes, review comments

Hi Chris,

attached are the review comments in Word Perfect, and also the revised meeting notes from 9/29. I attempted to recall my first e-mail that had the previous version of the meeting notes. Sorry for that, please disregard.



Tom CDM June 2003 rpt - review comments Oct 7 2003.wpd meeting notes Sep 29 2003.pdf meeting notes Sep 29 2003.wpd

**Meeting Notes**

<b>Date</b>	September 29, 2003 at 13:00
<b>Location</b>	Omega Chemical Superfund Site, 12504 Whittier Blv., Whittier, CA 90602
<b>Subject</b>	OU1 RI, schedule
<b>Present</b>	Chris Lichens/EPA Udai Singh, Tom Perina/CH2M HILL Sharon Wallin, David Chamberlin/CDM Chcuk McLaughlin, Edward Modiano/de maximis, inc.
<b>Prepared by</b>	Tom Perina

The meeting started with a site tour and continued in the Radisson Hotel. The following was discussed:

- **Potential sources** of contamination at **Santa Fe Springs Well # 1** include 11845 Burke St. Existing (non-EPA, non-OPOG) monitoring wells had a recent PCE hit of 12,000 ppb. This high concentration indicates another source in close proximity. OPOG is not planning to install sentinel wells. Well # 1 has a wellhead treatment system (GAC) and is operating.
- **Schedule** of OPOG work distributed; it will be revised after property access is obtained.
- Final OU1 **RI/FS work plan** dated September 29, 2003 distributed.
- **Technical presentation** by D. Chamberlin on planned investigations. The field investigation will include 20 shallow soil samples, 5 deep borings, 6 multi-depth soil-gas locations, indoor air sampling, and no flux chamber sampling. The flux chamber was excluded based on recent technical information on its effectiveness. EE/CA report will be prepared 45 days after SAP addendum is approved. Presented maps of proposed direct push borings.
- EPA to arrange for **site access** agreements with owner and tenants. Dianne Strossmeyer of EPA had an original target date of March 2003. Separate access agreements will likely need to be pursued for OPOG/CDM and EPA/CH2M HILL. OPOG would prefer that EPA get an umbrella access agreement for the entire site for all parties. OPOG/CDM will obtain site access from TerraPave.
- OU1 remedy (hydraulic barrier) is proposed along Putnam St. This will allow some of the contamination migrate away. Extraction system cannot be effectively placed on the adjacent property across Putnam St. (downgradient, southwest of the site) because of access (private).
- Biodegradation alone is insufficient; 1,4-dioxane in OW1 was 52,000 ppb. This compound was not detected in samples from Washington Blv. wells. 1,4-dioxane will be

treated.

- The **tenants** at the Omega Chemical site are:  
Refrigerant Exchange Corp., 12512 Whittier Blv., Dennis O'Meara  
Start City Autobody, 12504 Whittier Blv., George S., tel. 562-698-2161  
C&I Electric, Virginia Parker, tel. 562-698-6911  
The adjacent property to the north is owned by:  
Terra Pave, John Terry
- CDM asked when comments on Phase IA Additional Investigation Report will be sent.
- C. Lichens stated that EPA wants to get DTSC involved because DTSC will eventually pick up the RA.
- EPA will send CDM OU2 **data collected by Weston**.
- CDM needs a **map showing existing OU2 wells**.
- EPA is evaluating whether further revisions to the OU2 RI report prepared by Weston are required.
- The acetone pathway to OW4 is not explained; so is 1,4-dioxane pathway.
- OPOG is performing semi-annual groundwater sampling, EPA samples during the remaining two quarters; this sampling is under CH2M HILL's WA175 scope.
- CDM prepared a **preliminary cost estimate for OU1 remedy**; the capital cost is \$2.1-3.2M; total cost is \$19M.
- Target date for OU1 ROD is 2005, for construction 2006.
- CH2M HILL's **risk assessor will review the indoor air sampling procedure** (Udai suggested an air specialist besides Rich Braun).
- A test push boring will be advanced (at no cost to CDM) during the second week of October to verify that membrane interface probe (MIP) can be effectively used.
- The **contact person for CDM is Sharon Wallin** (tel. 949-752-5452, [wallinsl@cdm.com](mailto:wallinsl@cdm.com)); for CH2M HILL it is Tom Perina.
- A technical meeting will be held when MIP and other data are available.
- Currently, no one is attempting to **review hazardous waste manifests** with respect to waste chemistry. T. Perina suggested that manifest information be reviewed to see if shipments with high content of acetone or TCE occurred over a certain period of time; this could help explain some of the inconsistencies in the contaminant distribution in groundwater at the site. EPA case developer has the manifests. To be discussed between CH2M HILL and EPA.

Additional issues discussed between EPA and CH2M HILL after the meeting:

- Need to review Consent Decree to clarify the **definition of OU1**, especially the extent of groundwater contamination that is addressed under OU1.
- Add general comments to Phase IA report: 1) need additional data for remedy selection (at this point it is premature to state what the remedy will be), 2) source reduction need to be a part of the selected remedy.
- Cost estimate for the RA will be prepared using De Minimis methodology (C. Lichens presented a copy of the guidance) and also comparison with actual costs for existing

sites.

- T. Perina to send EPA comments on the revised SOW for OU2 RI by end of the week.
- T. Perina to call Linda about GIS coverages from Weston.